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CROSSLINKING OF FLUORESCENT* PCS-101 AND OF POLYLYSINE IN AN EYE-DROP FORMULATION TO RABBIT CORNEA INVIVO

*FLUORESCENCE INTENSITY IN THE ORIGINAL SOLUTION IS 175 FOLD LOWER IN PCS-101 SOLUTION THAN IN POLYLYSINE SOLUTION

TIME AFTER LAST APPLICATION 1hr 36hrs **POLYLYSINE FLUORESCENCE BRIGHTFIELD** Fig. 1B Fig. 1A PCS-101 **FLUORESCENCE BRIGHTFIELD** Fig. 1D Fig. 1C CONTROL: **VEHICLE FLUORESCENCE BRIGHTFIELD**

Fig. 1F

Fig. 1E

TIME COURSE OF 0.34 µg/µl HA-POLYLYSINE-FITC CONJUGATE BINDING TO HUMAN FINGER IN VIVO WITH SAMPLE APPLIED BY RUBBING

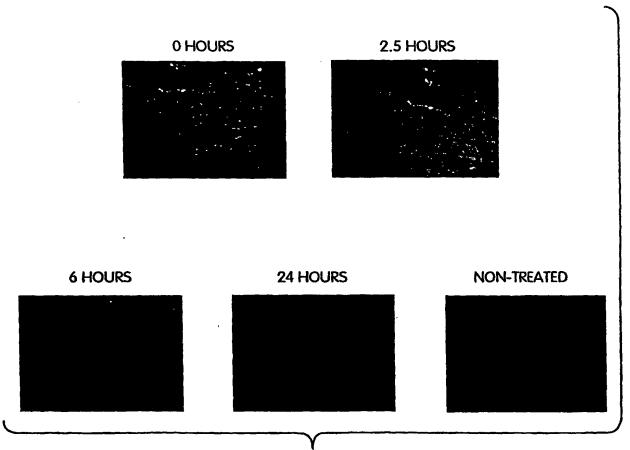


Fig. 2

UPTAKE AFTER REPEATED APPLICATIONS OF PCS-101 TO RABBIT CORNEA WITHOUT ADDED TRANSGLUTAMINASE

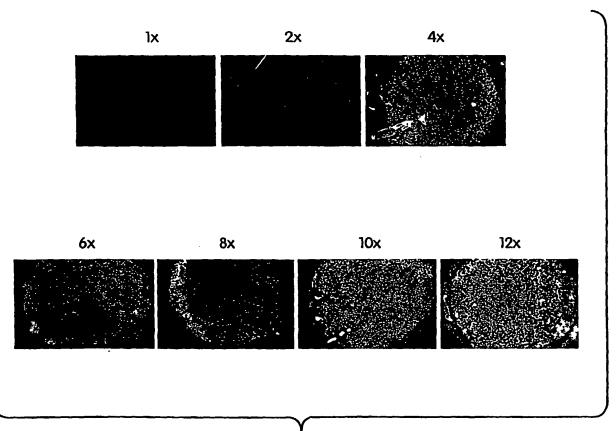


Fig. 3

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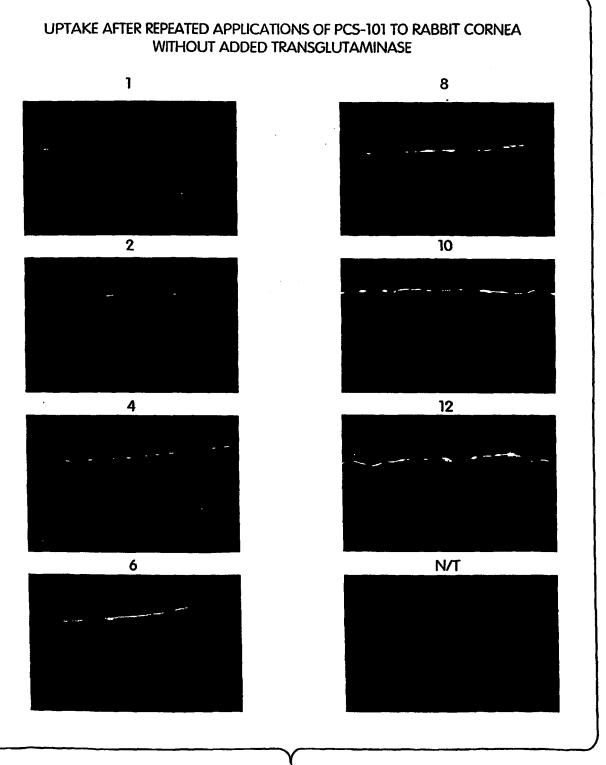


Fig. 4

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CROSSLINKING OF FLUORESCENT PCS-201 TO THE PIG PALATE EPITHELIUM WITHOUT ADDED TRANSGLUTAMINASE AND ITS INHIBITION BY EDTA

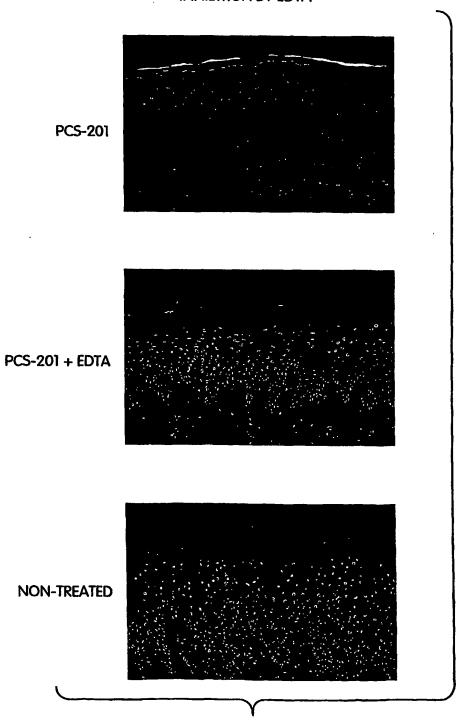


Fig. 5

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CROSSLINKING OF FLUORESCENT PCS-201 TO THE LOWER SURFACE OF PIG TONGUE EPITHELIUM WITHOUT ADDED TRANSGLUTAMINASE AND ITS INHIBITION BY EDTA

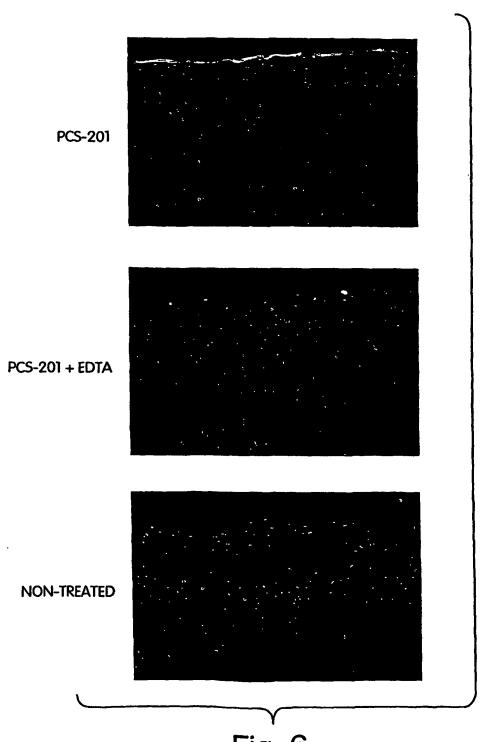


Fig. 6

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CROSSLINKING OF FLUORESCENT PCS-201 TO THE PIG GUM EPITHELIUM WITHOUT ADDED TRANSGLUTAMINASE AND ITS INHIBITION BY EDTA

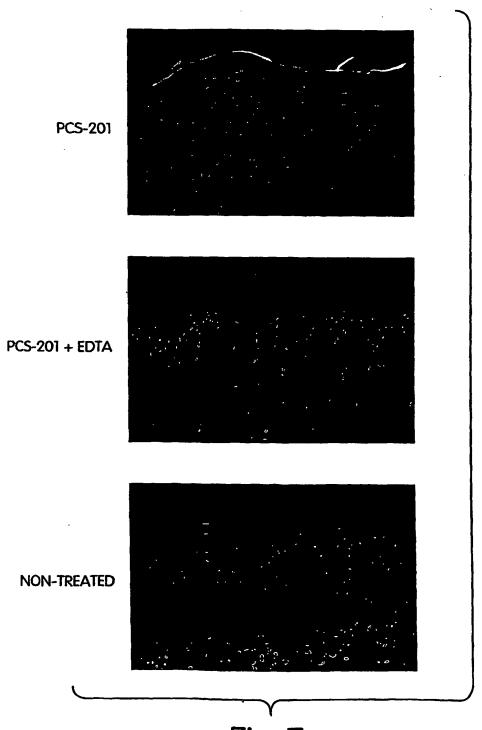


Fig. 7

CROSSLINKING OF FLUORESCENT PCS-201 TO THE PIG TONGUE AND GUM EPITHELIA WITHIN 30 SECONDS OF APPLICATION WITHOUT ADDED TRANSGLUTAMINASE

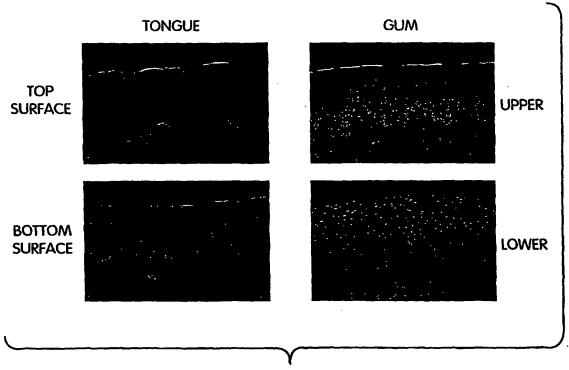


Fig. 8

CROSSLINKING OF FLUORESCENT PCS-201 TO THE PIG PALATE, GUM AND TONGUE EPITHELIA WITHIN 30 SECONDS OF APPLICATION WITHOUT ADDED TRANSGLUTAMINASE

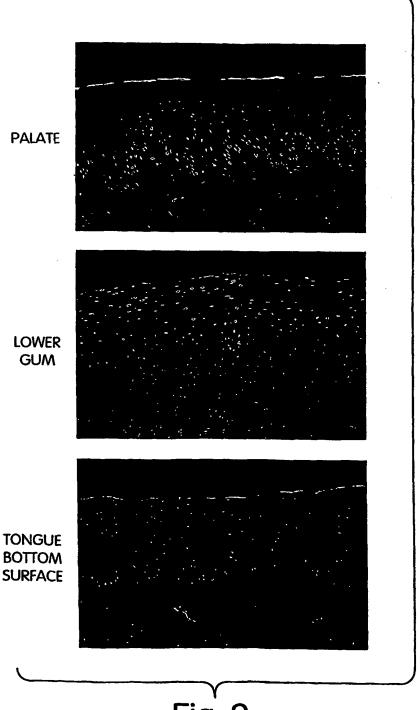


Fig. 9

CROSSLINKING OF FLUORESCENT PCS-201 TO THE PIG PALATE EPITHELIUM WITHIN 30 SECONDS OF APPLICATION WITHOUT ADDED TRANSGLUTAMINASE

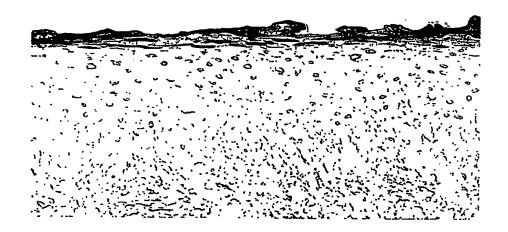


Fig. 10

CROSSLINKING OF FLUORESCENT* PCS-201 AND OF POLYLYSINE TO THE INNER LINING OF PIG AORTAS WITHOUT ADDED TRANSGLUTAMINASE

* FLUORESCENCE INTENSITY IN THE ORIGINAL SOLUTION IS 17 FOLD LOWER IN THE PCS-201 SOLUTION THAN IN POLYLYSINE SOLUTION

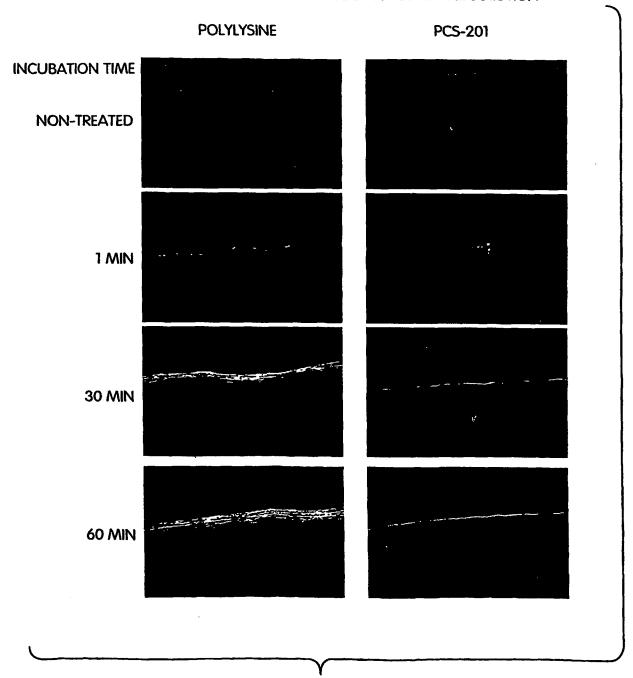


Fig. 11

EFFECT OF Naci concentration on coupling of Hyaluronic acid-polylysine-fitc to the cornified layer of rabbit cornea without added transglutaminase

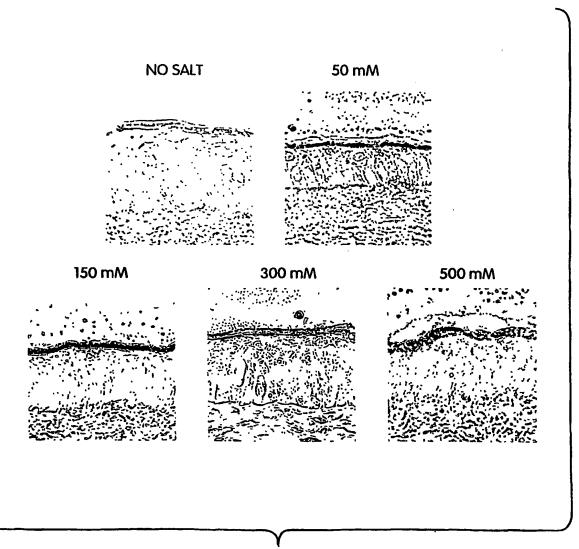


Fig. 12

CROSSLINKING OF PCS-101 (HA-FITC CONJUGATED TO PLL-TRITC)
TO RABBIT CORNEA WITHOUT ADDED TRANSGLUTAMINASE
AND COMPAIRED TO HA-FITC AND PLL-TRITC

UPTAKE AFTER SIX REPEATED APPLICATIONS INCUBATION TIME OF EACH APPLICATION WAS 1 MINUTE

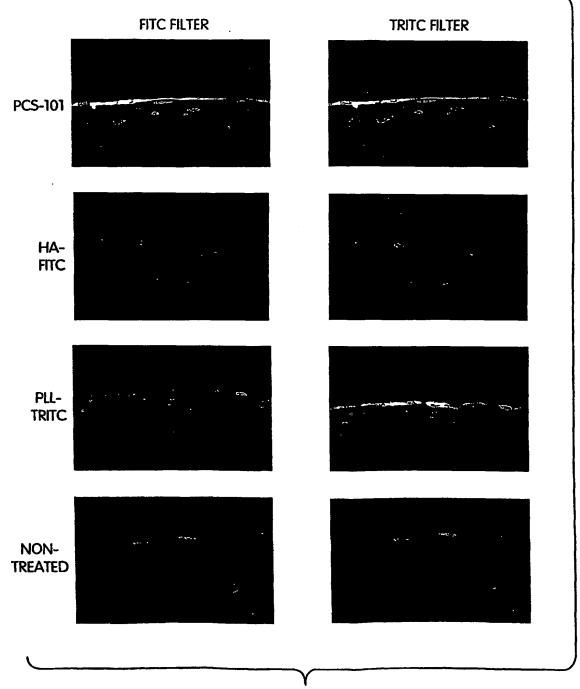


Fig. 13

COMPARISON OF BINDING OF PCS-101 VS. FREE HA TO RABBIT CORNEA

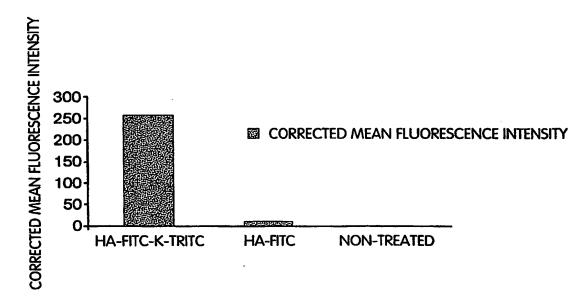


Fig. 14

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